

Atty. Dkt. No.	M#	Ref.
0277845		23523-0117

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Date: February 8, 2001

Page 1 of 3

Applicant: Steven L. Stice

Appln. No.: 09/534,500

Filing Date: March 24, 2000

Examiner: D. Crouch

Group Art Unit: 1632

U.S. PATENT DOCUMENTS

Exmr's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
AR	6,007,989	12/1999	West et al.	/	/	
BR						
CR						

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name		English Abstract	Translation Readily Available
						Enclosed	No
DR							
ER							
FR							

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

GR	Bodnar, Andrea G. et al., "Extension of Life-Span by Introduction of Telomerase into Normal Human Cells," <i>Science</i> , 279 (January 16, 1998) pp. 349-352.
HR	Vaziri, Homayoun et al., "Reconstitution of telomerase activity in normal human cells leads to elongation of telomeres and extended replicative life span", <i>Current Biology</i> 8:5 (February 26, 1998) pp. 279-282.
IR	"Analysis of telomere lengths in cloned sheep", <i>Nature</i> , 399:6734 (May 27, 1999) pp. 316-317.
JR	Yang, Jiwei et al., "Human Endothelial Cell Life Extension by Telomerase Expression", <i>The Journal of Biological Chemistry</i> , 274:37 (September 10, 1999) pp. 26141-26148.
KR	Jiang, Xu-Rong et al., "Telomerase expression in human somatic cells does not induce changes associated with a transformed phenotype", <i>Nature Genetics</i> , 21 (January 1999) pp. 111-114.
LR	Ide, Toshinori et al., "Reinitiation of Host DNA Synthesis in Senescent Human Diploid Cells by Infection with Simian Virus 40", <i>Experimental Cell Research</i> , 143 (1983) pp. 343-349.
MR	Wright, Woodring et al., "Experimental elongation of telomeres extends the lifespan of immortal x normal cell hybrids", <i>The EMBO Journal</i> , 15:7 (1996) pp. 1734-1741.
NR	Kim, Nam et al., "Specific Association of Human Telomerase Activity with Immortal Cells and Cancer," <i>Science</i> , 266 (December 23, 1994) pp. 2011-2015.
OR	Shay, Jerry W. et al., "Defining the molecular mechanisms of human cell immortalization," <i>Biochimica et Biophysica Acta</i> , 1072 (1991) pp. 1-7.
PR	Carrel, Alexis. "On the Permanent Life of Tissues Outside of the Organism." <i>Jour.</i>

Examiner

Daniel Crouch

Date Considered:

2/1/01

EXAMINER

Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if

FORM PTO 1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

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RR						
SR						
TR						

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					Enclosed	No	Enclose	No
UR								
VR								
WR								

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

C1C	XR	Olovnikov, A.M. "A Theory of Marginotomy", <i>J. theor. Biol.</i> , 41 (1973) pp. 181-190.	
	YR	Harley, Calvin B. et al., "Telomeres shorten during ageing of human fibroblasts", <i>Nature</i> , 345 (May 31, 1990) pp. 458-460.	
	ZR	Cristofalo, V.J. et al., "Lysosomal Enzymes and Aging <i>In Vitro</i> : Subcellular Enzyme Distribution and Effect of Hydrocortisone on Cell Life-Span", <i>Mechanisms of Ageing and Development</i> , 4 (1975) pp. 19-28.	
	AAR	Wilmut, Ian et al., "Laying Hold on Eternal Life?", <i>Nature Biotechnology</i> , 18 (June 2000) pp. 599-600.	
	BBR	Cristofalo, Vincent J., "Animal Cell Cultures as a Model System for the Study of Aging", <i>Advances in Gerontological Research</i> , 4 (1972) pp. 45-79.	
	CCR	Hayflick, L., "The Limited <i>In Vitro</i> Lifetime of Human Diploid Cell Strains", <i>Experimental Cell Research</i> , 37 (1965) pp. 614-636.	
	DDR	Campisi, Judith, "Replicative Senescence: An Old Lives' Tale?", <i>Cell</i> , Vol. 84 (February 23, 1996) pp. 497-500.	
	EER	Goldstein, Samuel, "Replicative Senescence: The Human Fibroblast Comes of Age.", <i>Science</i> , 249 (September 7, 1990) pp. 1129-1133.	
	FFR	Feng, Junli et al., "The RNA Component of Human Telomerase", <i>Science</i> , 269 (September 1, 1995) pp. 1236-1241.	
	GGR	Meyerson, Matthew et al., "hEST2, the Putative Human Telomerase Catalytic Subunit Gene, is Up-Regulated in Tumor Cells and During Immortalization," <i>Cell</i> , 90 (August 22, 1997) pp. 1-20.	
	HHR	Watson, J.D., "Origin of Concatemeric T7 DNA," <i>Nature New Biology</i> , 239 (October 18, 1972) pp. 197-201.	

1. MPEP § 1411.02. Indicate citation considered, whether or not citation is in conformance with MPEP § 1411. Draw line through citation not in conformance and not considered. Include copy of this form with next communication to Applicant.

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JJR						
KKR						
LLR						

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					Enclosed	No
					Enclose	No
MMH						
NNR						
OOR						
OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)						
PPR	Shiels, Paul G. et al., "Analysis of telomere lengths in cloned sheep." <i>Nature</i> , 399 (1999) pp. 316-317.					
QQR	Wang, Jing et al., "Cell biology: Risky immortalization by telomerase." <i>Nature</i> , 405 (2000) pp. 755-756.					
RRR	Wakayama, Teruhiko et al., "Cloning of Mice to Six Generations." <i>Nature</i> , 407 (September 21, 2000) pp. 318-319.					
SSR	Hara, Eiji et al., "Cooperative Effect of Antisense-R and Antisense-p53 Oligomers on the Extension of Life Span in Human Diploid Fibroblasts, TIG-1". <i>Biochemical and Biophysical Research Communications</i> , 179:1 (August 30, 1991) pp. 528-534.					
TTR	Nakamura, T.M. et al., "Telomerase Catalytic Subunit Homologs from Fission Yeast and Human". <i>Science</i> , 277 (August 15, 1997) pp. 955-959.					
UUR	Lanza, Robert P. et al., "Extension of Cell Life-Span and Telomere Length in Animals Cloned from Senescent Somatic Cells." <i>Science</i> , 288 (April 28, 2000) pp. 665-669.					
VVR	Yang, Jeffrey et al., "EDS: Cloned Animals are not as Old as Their DNA Normal Telomeres Found in Dolly's Equivalent in Cloned Cows" <i>Nature Genetics</i> , September 21, 2000 (email version of article from Dr. Yang)					
WWR	Information and data presented at interview entitled "A History of the Art Relating to the Restoration of Cellular Lifespan". November 15, 2000					
XXR						
YYR						
ZZR						

Examiner

D. Crouch

*EXAMINER: Initials: *D. Crouch*